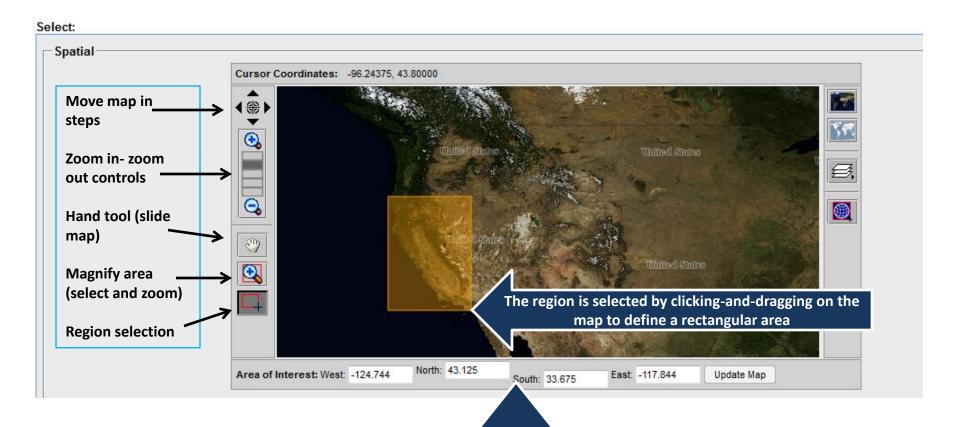
Choosing a region-of-interest with **Giovanni-4**

The following slides demonstrate how to choose a region-of-interest with the Giovanni-4 interface

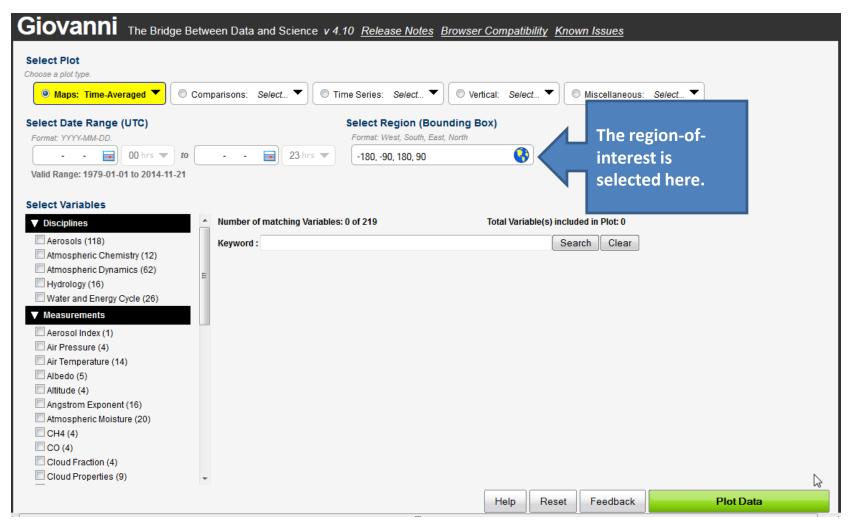
How a region-of-interest is selected with Giovanni-3



The lat-lon boundaries for the selected region are shown here. They can also be entered directly; Click "Update Map" to show the selected region when lat-lon is entered directly.

How a region-of-interest is selected with Giovanni-4

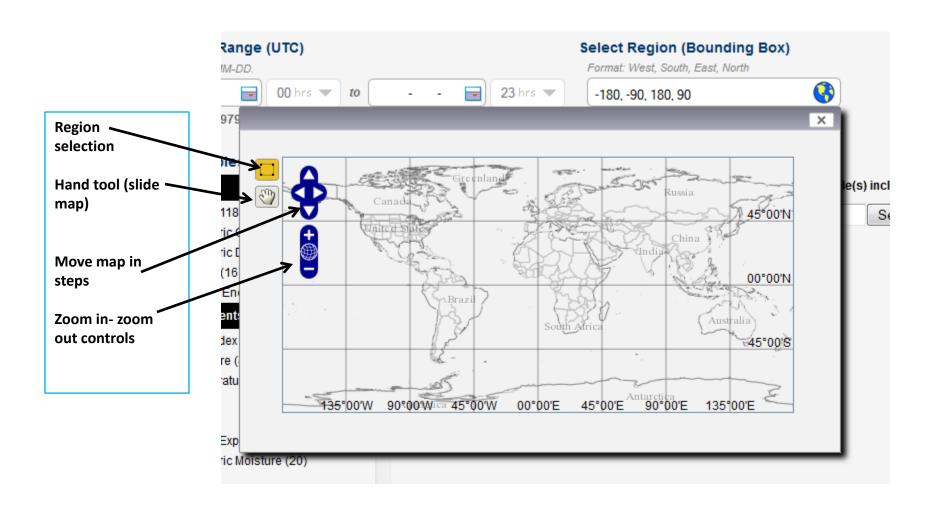
The Giovanni-4 interface



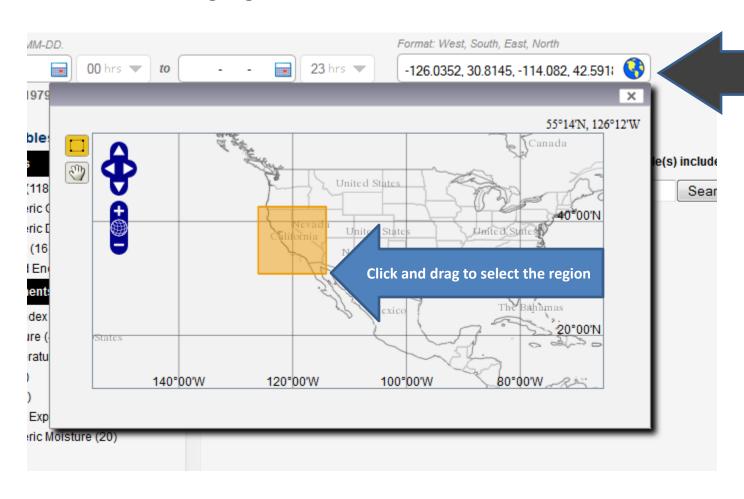
To select a region-of-interest, this tool on the Giovanni-4 interface will be used.



Clicking the globe icon produces the world map that is used for region-of-interest selection.

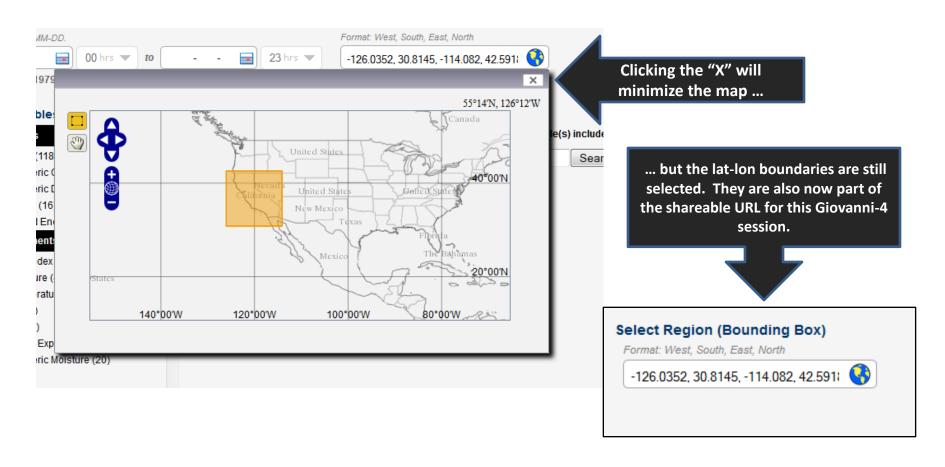


The click-and-drag region selection is similar to Giovanni-3.



When the region is selected, the lat-lon boundaries appear in this box.

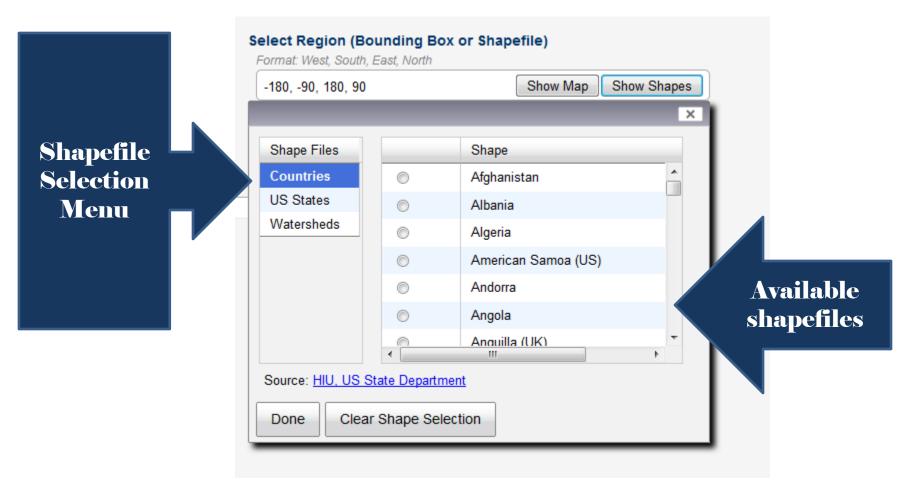
They can also be entered or adjusted manually from the keyboard; after they are typed in, hitting "Enter" will refresh the region-of-interest on the map.



Part 2:

Choosing a region-of-interest with shapefiles

A new option for region selection is the use of 'shapefiles'. Shapefiles are available for countries, U.S. states, and major world watersheds.



NOTE:

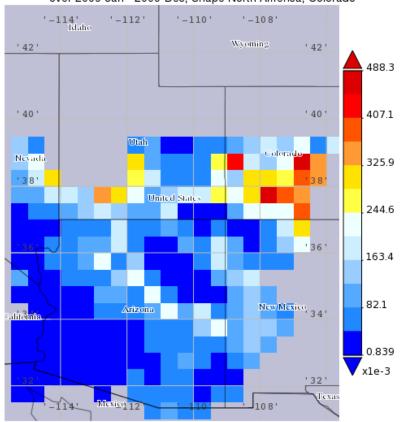
The watershed list is approximately alphabetical.

However, because there are some rivers that share the same name (an example is the Colorado), not all the names are simple.

The Colorado River watershed in the United States is named "North America, Colorado" – because a small part of it is also in Mexico.

Here is a shapefile result. The map shows the average monthly rain rate over the Colorado River watershed (in the U.S.) for the year 2009.





⁻ Selected region was 115.695833333333328W, 30.95416666666673N, 105.62499999999999W, 43.46250000000008N. Rain Rate monthly 0.5 deg. [TRMM TRMM_3A12 v7] mm/hr has a limited data extent of 180W, 40S, 180E, 40N. The region in the title reflects the data extent of the subsetted granules that went into making this result.

Another demonstration will show how to refine this map.

End of demonstration